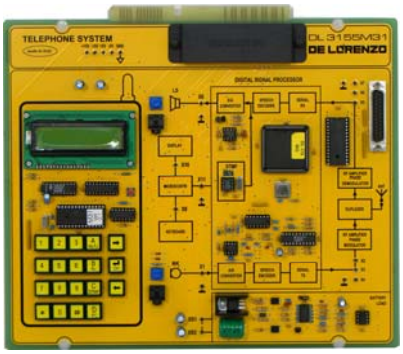
TIME ELECTRONIC BOARDS

CELLULAR TELEPHONY



DL 3155M31

The design and construction of electronic circuits to solve practical problems is an essential technique in the fields of electronic engineering and computer engineering.

With this board the students can learn the basic operation of a mobile phone. It is complete with keyboard and display to simulate a mobile phone and has a microphone and a speaker to make this as real as possible trainer.

THEORETICAL TOPICS

- Basic functions of the GSM cellular telephone
- Telephone keyboard and display
- Microphone and loudspeaker
- Digital Signal Processor (DSP)
- Connection to an external microphone and loudspeaker
- Connection to a personal computer
- Fault simulation

CIRCUIT BLOCKS

- Keyboard and display
- Microphone and loudspeaker
- Digital Signal Processor (DSP)

Complete with theoretical and practical manual.

Dimensions of the module: 297x260mm.

THIS IS NOT A MOBILE PHONE

CAI SOFTWARE:
Each board of the TIME system can be supplied complete with a Student Navigator software that allows students to perform their learning activities through a Personal Computer, without the need for any other documentation.
Ordering code: please add SW after the code of the board (i.e. DL 3155M31SW)

Required:
POWER SUPPLY NOT AND COMPUTER INCLUDED
Base frame with power supply (completed with connecting cables):

- **DL 3155AL2RM** - Base frame with power supply and interface to pc and virtual instrumentation
- **DL 3155AL4RM** - Base frame with power supply and interface to pc and virtual instrumentation with four channel oscilloscope
- **DL 3155AL2** - Base frame with power supply and interface to pc

Basic power supply (connecting cables not included):
- **DL 2555ALG -** DC power supply ±5 ±15 0±15 Vdc, 1A
- **TL 3155AL2 -** Connecting cables

Choosing this power supply, for the execution of the experiments, it is normally required the use of an oscilloscope, two multimeters and a function generator